

Lichttechnischer Prüfbefund

Familie

Lunis® micro square

Bestell-Nr.: 51DE11CD2FG22 + 59DL1L0000G0000D0 + 59DL10000200E00DB

EAN: 4058352107966 + 4058352030165 + 4058352127438

LP-Nummer

57965_14

Seriendokumentation
15.02.2018

Ausführung

Prismenscheibe, Darklightreflektor
hochglänzend, medium strahlend,
Abdeckscheibe, IP54, klar

Bestückung

LED 4000K / CRI ≥ 80

Betriebsgerät

EVG-DALI

Bemessungswerte

Nettolichtstrom = 2030 lm
Systemleistung = 19.4 W
Lichtausbeute = 104.6 lm/W

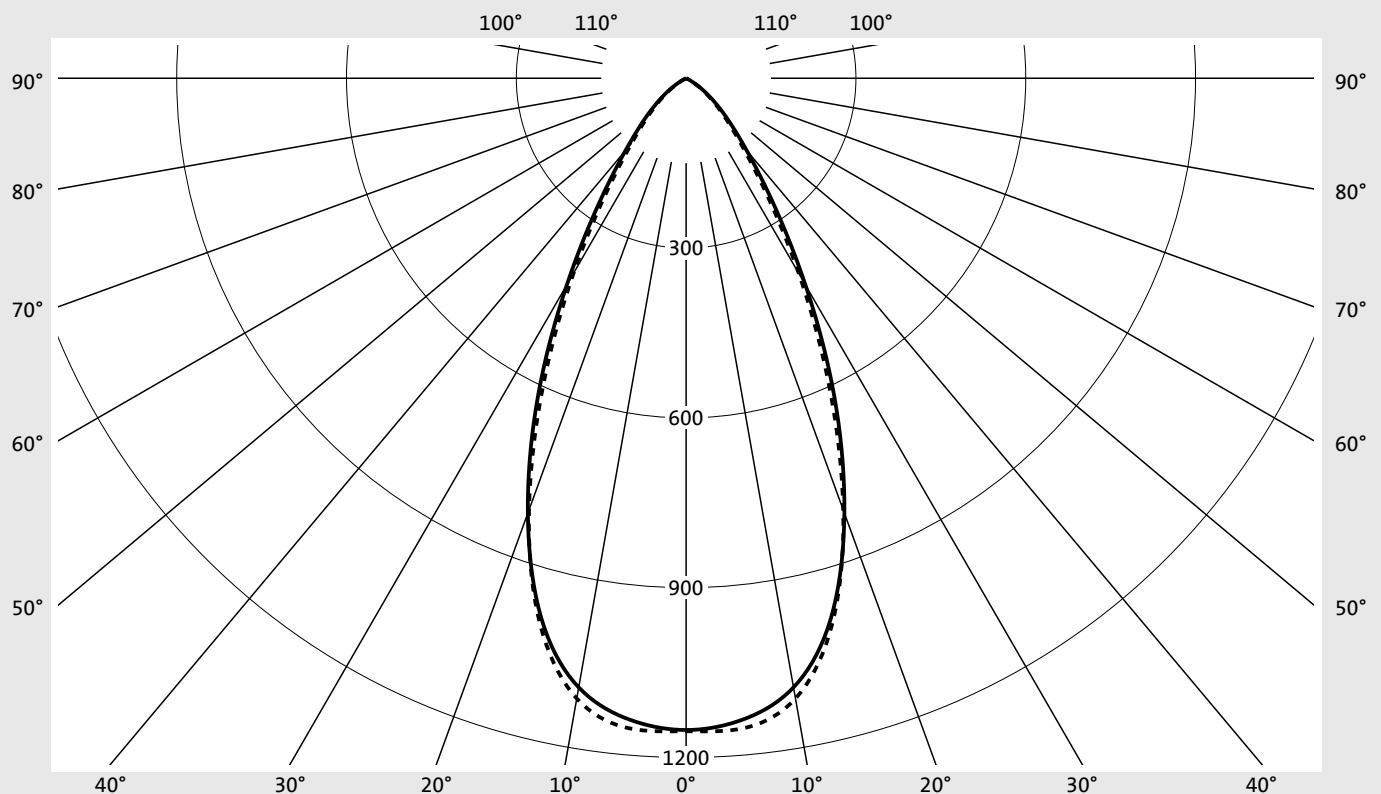
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Lichtstärke in cd/klm

C180-0

C270-90

Imax: 1154 cd/klm



Klassifizierungen

DIN 5040	A 7 0
CIE	N1=89 N2=100 N3=100
	N4=100 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB}	100,0%
ϕ_u	100,0%
ϕ_o	0,0%

Messbedingungen

DIN EN 13032 und DIN 5032

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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		sITeco

C- Ebenen	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-Zone	Summe Phi-Zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
γ		Lichtstärke in cd/klm						Lichtstrom in lm/klm	
0°	1151.4	1151.4	1152.1	1153.2	1152.5	1153.2	1153.6	6.9	6.9
5°	1137.7	1139.9	1145.8	1147.3	1151.8	1152.1	1152.8	54.8	61.7
10°	1092.7	1095.7	1108.2	1110.1	1116.3	1113.0	1112.7	105.4	167.1
15°	988.0	992.8	1019.7	1017.8	1021.5	1003.4	997.6	143.0	310.1
20°	817.5	826.0	867.3	863.6	860.7	824.5	811.6	158.0	468.1
25°	619.0	627.5	678.1	673.3	666.3	615.3	596.9	149.4	617.5
30°	421.3	434.2	489.2	488.8	474.1	417.2	398.1	123.9	741.4
35°	266.0	279.6	327.6	332.4	312.8	261.6	244.2	92.7	834.1
40°	166.4	176.3	209.5	215.1	197.4	162.0	149.8	65.7	899.8
45°	107.0	112.5	132.1	132.8	123.2	102.9	95.9	45.5	945.3
50°	66.4	69.4	78.9	76.0	74.5	64.6	59.8	29.8	975.2
55°	36.2	37.6	41.0	37.6	39.5	35.4	32.5	16.9	992.0
60°	13.7	13.7	15.9	14.4	15.1	13.7	12.2	6.8	998.8
65°	1.8	1.8	3.0	2.6	3.0	2.2	1.5	1.2	1000.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0

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UGR-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	21,6	22,8	21,9	23,1	23,4	21,2	22,4	21,5	22,7	23,0
	3H	21,4	22,5	21,8	22,8	23,2	21,0	22,1	21,4	22,4	22,8
	4H	21,4	22,3	21,8	22,7	23,1	21,0	21,9	21,4	22,3	22,7
	6H	21,3	22,2	21,7	22,5	22,9	20,9	21,8	21,3	22,1	22,5
	8H	21,4	22,1	21,8	22,5	22,9	21,0	21,7	21,4	22,1	22,5
	12H	21,3	22,0	21,8	22,4	22,8	20,9	21,6	21,4	22,0	22,4
4H	2H	21,4	22,4	21,8	22,7	23,1	21,0	22,0	21,4	22,4	22,7
	3H	21,2	22,0	21,7	22,4	22,9	20,9	21,7	21,3	22,0	22,5
	4H	21,1	21,9	21,6	22,3	22,7	20,8	21,5	21,2	21,9	22,3
	6H	21,1	21,7	21,5	22,1	22,6	20,7	21,3	21,1	21,7	22,2
	8H	21,0	21,5	21,5	22,0	22,5	20,6	21,2	21,1	21,6	22,1
	12H	21,0	21,4	21,5	21,9	22,4	20,6	21,1	21,1	21,5	22,0
8H	4H	21,0	21,5	21,5	22,0	22,5	20,6	21,2	21,1	21,6	22,1
	6H	20,9	21,3	21,4	21,8	22,3	20,5	21,0	21,0	21,4	21,9
	8H	20,8	21,2	21,4	21,7	22,2	20,5	20,8	21,0	21,3	21,9
	12H	20,8	21,1	21,3	21,6	22,2	20,4	20,7	21,0	21,2	21,8
12H	4H	21,0	21,4	21,5	21,9	22,4	20,6	21,1	21,1	21,5	22,0
	6H	20,9	21,2	21,4	21,7	22,2	20,5	20,8	21,0	21,3	21,9
	8H	20,8	21,1	21,3	21,6	22,2	20,4	20,7	21,0	21,2	21,8

Leuchtdichten-Tabelle	Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm:	L = 82	B = 82
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C-Ebenen	γ	Leuchtdichte in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		45677.5	48038.6	56386.8	56701.9	52610.0	43946.6	40951.1	
50°		31189.0	32575.0	37080.2	35693.7	35000.9	30322.0	28069.9	
55°		19029.2	19806.1	21554.2	19806.1	20777.3	18640.8	17087.5	
60°		8242.0	8242.0	9578.8	8687.6	9133.2	8242.0	7350.7	
65°		1318.0	1318.0	2108.1	1844.5	2108.1	1581.6	1054.4	
70°		0.0	0.0	0.0	0.0	0.0	0.0	0.0	
75°		0.0	0.0	0.0	0.0	0.0	0.0	0.0	
80°		0.0	0.0	0.0	0.0	0.0	0.0	0.0	
85°		0.0	0.0	0.0	0.0	0.0	0.0	0.0	

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Leuchtdichten in cd/m²		
γ 65° γ 70° γ 75° γ 80° γ 85°		
